

Converting Colors

CIELCh(76, 32.098, 309.672)

Have a look what the booklet for
CIELCh(76, 32.098, 309.672)
contains.

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Color

CIELCh(76, 32.323, 309.946)

Conversions

Conversions Part 1

Format	Color
Hex	CCB0E9
RGB	204, 176, 233
RGB Percent	80%, 69%, 91%
CMY	0.1992, 0.3090, 0.0855
CMYK	0.12, 0.24, 0.00, 0.09
HSL	269°, 57%, 80%
HSV	269°, 24%, 91%
XYZ	55.2573, 49.8872, 83.9607
YIQ	190.8700, -1.6090, 23.6630

Conversions

Conversions Part 2

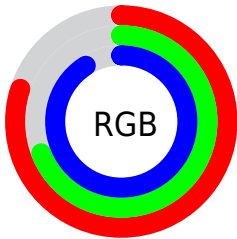
Format	Color
RYB	204, 176, 233
Decimal	13414633
CIELab	76.00, 20.75, -24.78
CIELCh	76, 32.323, 309.946
Yxy	49.8872, 0.2922, 0.2638
Android (android.graphics.Color)	4291604713 (0xFFCCB0E9)
YUV	190.8700, 20.7701, 11.5150
Hunter-Lab	70.6309, 16.0435, -21.0378

Details

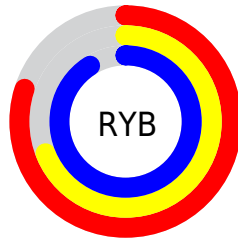
The CIELCh color $76, 32.323, 309.946$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $89, 31.224, 127.626$, and the grayscale version is $77, 0.009, 296.813$.

A 20% lighter version of the original color is $94, 14.364, 324.919$, and $56, 32.410, 309.922$ is the 20% darker color. If you saturate the color by 10%, you get $69, 46.086, 310.494$, and if you desaturate by 10%, it is $83, 18.840, 309.426$.

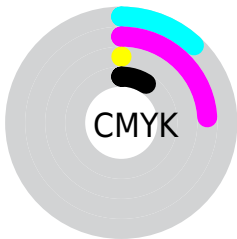
Distribution



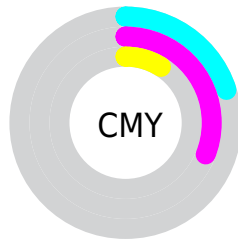
- Red (80%)
- Green (69%)
- Blue (91%)



- Red (80%)
- Yellow (69%)
- Blue (91%)



- Cyan (12%)
- Magenta (24%)
- Yellow (0%)
- Black (9%)





- Cyan (20%)
- Magenta (31%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 32.323, 309.946 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 76, 32.323, 309.946 by changing the saturation by 10% instead.


 76, 32.323,
309.946


 76, 32.323,
309.946


 100, 32.323,
309.946


 66, 32.323,
309.946


 96, 32.323,
309.946

 56, 32.323,
309.946

 46, 32.323,
309.946

 36, 32.323,
309.946

 26, 32.323,
309.946

 16, 32.323,
309.946

 6, 32.323, 309.946

0, 32.323, 309.946

76, 32.323,
309.946

76, 32.323,
309.946

69, 46.086,
310.494

83, 18.840,
309.426

63, 59.981,
311.052

89, 5.718, 308.936

57, 73.732,
311.583

96, 7.011, 128.549

51, 86.873,
312.030

99, 11.112,
115.550

46, 98.694,
312.307

99, 11.032,
109.343

41, 108.260,
312.300

■ 38,114.655,
311.892

■ 37,117.039,
311.532

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



76, 32.323, 309.946



89, 31.224, 127.626

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76, 32.323, 309.946



76, 32.323, 359.946



76, 32.323, 129.946



76, 32.323, 179.946

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



76, 32.321, 309.946



95, 9.713, 309.063



81, 17.279, 257.228



50, 6.317, 309.092



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



76, 32.321, 309.946



79, 41.467, 310.200



79, 36.190, 325.305



46, 7.392, 309.181



28, 96.658, 311.716



4, 37.633, 311.317

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



78, 26.037, 345.369



82, 33.284, 345.869



87, 36.150, 142.400



46, 5.995, 343.926



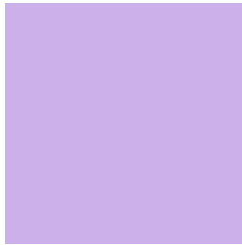
39, 65.640, 1.103



8, 28.693, 354.549

Previews

White Background



This preview shows how the CIELCh color 76, 32.323, 309.946 looks on a white background.

Color Contrast Check

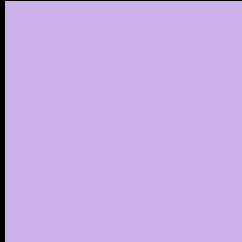
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 76, 32.323, 309.946 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

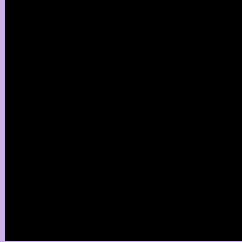
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 32.323, 309.946

Background



This preview shows how black text looks on a background with the CIELCh color 76, 32.323, 309.946.




This preview shows how white text looks on a background with the CIELCh color 76, 32.323, 309.946.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia
76, 9.379, 326.682

Trichromacy



Original Color
76, 32.323, 309.946

Protanomaly
76, 30.246, 294.784

Deuteranomaly
76, 27.792, 299.587

Tritanomaly
76, 17.121, 314.866

Monochromacy



Original Color
76, 32.323, 309.946

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 11.391, 309.492

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 32.323, 309.946 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(204, 176, 233)` looks like.

```
.text, #text, p{  
    color:rgb(204, 176, 233)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(204, 176, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 176, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 32.323, 309.946 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(204, 176, 233) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(204, 176, 233) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(204, 176, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 176, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 176, 233);  
box-shadow:4px 4px 4px 4px rgb(204, 176,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 32.323, 309.946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 176, 233) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(204,  
176, 233) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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